AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the Application. Deletions are ~~strikethrough~~ and additions are underlined.

1. (Currently amended) A method to prepare purified grape seed extract comprising the steps of:

a. extracting grape seed with an alkaline solvent ~~distilled water~~,

b. collecting the alkaline solvent and obtaining an alkaline supernatant ~~to obtain alkaline soluble substance~~;

c. adding an acid to the alkaline supernatant to produce an acidic solution ~~neutralizing with acidic solution~~,

d. centrifuging the acidic solution to obtain a precipitate~~d layer~~ and a supernatant;

e. collecting precipitate and suspending ~~the precipitate~~ with an alcohol to produce a solution,

f. centrifuging the solution in step e to obtain a precipitate and a supernatant ~~layer~~;

g. collecting and concentrating the supernatant,

h. adding a non-polar solvent to the supernatant in step g and mixing solution,

i. allowing separation of alcohol and non-polar solvents,

j. collecting ~~removing~~ non-polar solvent ~~soluble~~ layer ~~to obtain purified fraction~~; and

~~j. subjecting to repeated purification and,~~

k. lyophilizing collected non-polar solvent layer to obtain dried grape seed extract of the present invention showing potent neuronal cell protective activity.

2. (Currently amended) A ~~pharmaceutical~~ composition comprising grape seed extract as an active ingredient prepared by a method comprising the steps of: ~~for the treatment and prevention of degenerative brain disease~~

a. extracting grape seed with an alkaline solvent,

b. collecting the alkaline solvent and obtaining an alkaline supernatant;

c. adding an acid to the alkaline supernatant to produce an acidic solution,

d. centrifuging the acidic solution to obtain a precipitate and a supernatant;

e. collecting precipitate and suspending with an alcohol to produce a solution,

f. centrifuging the solution in step e to obtain a precipitate and a supernatant;

g. collecting and concentrating the supernatant,

h. adding a non-polar solvent to the supernatant in step g and mixing solution,

i. allowing separation of alcohol and non-polar solvents,

j. collecting non-polar solvent layer; and

k. lyophilizing collected non-polar solvent layer to obtain dried grape seed extract of the present invention showing potent neuronal cell protective activity.

3. (Canceled)

4. (Currently amended) The ~~pharmaceutical~~ composition of claim 2 where~~in said~~ the grape seed extract is an active ingredient for the treatment of ischemic brain disease~~prepared by the method of claim 1~~.

5. (Currently amended) The ~~pharmaceutical~~ composition of claim 4 ~~2~~ where~~in said degenerative~~ the ischemic brain disease is ~~selected from the group consisting of~~ stroke~~, cerebral concussion, Huntington's disease, Creutzfeld-Jakob disease, Alzheimer's disease (AD), Parkinson's disease (PD), and senile dementia~~.

6. (Currently amended) A health food comprising the composition of Claim 2 ~~grape seed extract~~ mixed with a sitologically acceptable additive ~~for the prevention and improvement of brain disease~~.

7 - 8. (Canceled)

9. (Currently amended) The health food of claim 6, where~~in~~ the composition of Claim 2 ~~grape seed extract comprises~~ is between 0.01% and 80% of total weight.

10. (Currently amended) The health food of claim 9, where the composition of Claim 2 ~~grape seed extract comprises~~ is between 1% and 50% of total weight.

11 - 13. (Canceled)

14. (New) The composition of claim 2, where the grape seed extract is an active ingredient for the treatment of ischemic brain disease.

15. (New) The composition of claim 14, where the ischemic brain disease is stroke.

16. (New) The composition of claim 14, where the grape seed extract is about 0.01 - 50 % by weight of the total weight of the composition.

17. (New) A method to produce a beneficial effect comprising administering the composition of Claim 2 to a Mammal in need of treatment of ischemic brain disease.

18. (New) The method to produce a beneficial effect of Claim 17 where the method of administering is selected from the group consisting of ingestion (oral, rectal), topical application and injection (intravenous, intramuscular, subcutaneous, intracutaneous, intrathecal, epidural, intracerebroventricular).

19. (New) The method to produce a beneficial effect of Claim 17 where the Mammal is a Human.

20. (New) The method to produce a beneficial effect of Claim 17 where the method of administering is by ingesting a health food with a sitologically acceptable additive.

21. (New) The method of Claim 1 further comprising; between steps j and k, the additional steps of

1. adding the non-polar solvent to the non-polar solvent layer collected in step j and mixing solution, and
2. collecting non-polar solvent layer.

22. (New) The method of claim 1, where the alkaline solvent in step a is selected from the group consisting of distilled water, a lower alcohol, methanol, ethanol, or the mixtures thereof.

23. (New) The method of claim 1, where the alkaline solvent in step a is distilled water.

24. (New) The method of claim 1, where the alkaline solvent in step a has a pH ranging from 8 to 11.

25. (New) The method of claim 1, where the acidic solution in step c has a pH ranging from 2 to 4.

26. (New) The method of claim 1, where the alcohol in step e is selected form the group of methanol and ethanol.